PATENT COOPERATION TREATY

			REC'D 2 8 OCT 2004					
From the INTERNATIONAL SEARCHING AUTHO	RITY		WIPO PCT					
То:			PCT					
see form PCT/ISA/220	Arc	INTERNATION (P	TEN OPINION OF THE IAL SEARCHING AUTHORITY PCT Rule 43 <i>bis</i> .1)					
Applicant's or agent's file reference see form PCT/ISA/220		FOR FURTHER ACTION See paragraph 2 below						
International application No. PCT/IB2004/051329	International filing date (29.07.2004	(day/month/year)	Priority date (day/month/year) 30.07.2003					
International Patent Classification (IPC) or both national classification and IPC G01R33/12, G01R33/09, G01N27/72, G01N33/53, G01N15/06								
Applicant								
Applicant KONINKLIJKE PHILIPS ELECTRONICS N.V. 1. This opinion contains indications relating to the following items: Box No. Basis of the opinion								
3. For further details, see notes to Form PCT/ISA/220.								
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IB2004/051329

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_	Во	x N	o. I Basis of the opinion				
1.	. With regard to the language, this opinion has been established on the basis of the international application in the language in which it was field, unless otherwise indicated under this item.						
		ıaı	his opinion has been established on the basis of a translation from the original language into the following nguage , which is the language of a translation furnished for the purposes of international search nder Rules 12.3 and 23.1(b)).				
2.	2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:						
a. type of material:							
			a sequence listing				
			table(s) related to the sequence listing				
b. format of material:							
	!		in written format				
	1		in computer readable form				
	c. t	ime	of filling/furnishing:				
	. 1		contained in the international application as filed.				
	1		filed together with the international application in computer readable form.				
	ı		furnished subsequently to this Authority for the purposes of search.				
3.	<u>.</u>	ha co	addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto s been filed or furnished, the required statements that the information in the subsequent or additional pies is identical to that in the application as filed or does not go beyond the application as filed, as propriate, were furnished.				
4.	. Additional comments:						

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/IB2004/051329

_	Box 1	io II	Priority						
			· · · · · · · · · · · · · · · · · · ·						
1.	The following document has not been furnished:								
		Ø	copy of the earlier	application	whose p	riority has been claimed (Rule 43bis.1 and 66.7(a)).			
			translation of the e	arlier appl	ication wh	ose priority has been claimed (Rule 43bis.1 and 66.7(b)).			
	C n	onse evertl	quently it has not be neless been establis	een possib shed on th	le to cons e assump	ider the validity of the priority claim. This opinion has tion that the relevant date is the claimed priority date.			
2.	This opinion has been established as if no priority had been claimed due to the fact that the priority claim has been found invalid (Rules 43 <i>bis</i> .1 and 64.1). Thus for the purposes of this opinion, the international filing date indicated above is considered to be the relevant date.								
3.	. Additional observations, if necessary:								
			•	•		•			
						·			
	Box N					3bis.1(a)(i) with regard to novelty, inventive step or			
1.	Stater	nent	···						
	Novel	ty (N)		Yes:	Claims	4,5,8,9,17			
				No:	Claims	1-3,6,7,10-16,18,22			
	invent	tive st	ep (IS)	Yes:	Claims				
				No:	Claims	1-22			
	Indust	trial a	pplicability (IA)	Yes:	Claims	1-22			
				No:	Claims				

2. Citations and explanations

see separate sheet

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement Reference is made to the following documents:

- D1: SMITH C H, SCHNEIDER R W AND TONDRA M: "Magnetic Biosensors" SENSORS, [Online] 1 December 1999 (1999-12-01), XP002300943
 Retrieved from the Internet: URL:www.sensorsmag.com/articles/1299/14_12
 99/main.shtml>
- D2: SMITH C H, SCHNEIDER R W AND POHM A V: "High-resolution, cip-size magnetic sensor arrays" SENSORS, [Online] 1 March 2003 (2003-03-01), XP002300944 Retrieved from the Internet:

 URL:www.sensorsmag.com/articles/0303/44/ma in.shtml>
- D3: BASELT D R ET AL: "A biosensor based on magnetoresistance technology" BIOSENSORS & BIOELECTRONICS, ELSEVIER SCIENCE PUBLISHERS, BARKING, GB, vol. 13, no. 7-8, 3 June 1998 (1998-06-03), pages 731-739, XP002285269 ISSN: 0956-5663

The present application does not meet the criteria of Article 33(1) PCT, because the subject-matter of claim 1 is not new in the sense of Article 33(2) PCT.

The document D1 discloses in Fig. 4 a magnetic sensor device comprising a magnetic sensor element (GMR detector) and a magnetic field generator (field generation strap). Cross-talk suppression means are supplied by the material separating the strap and the detector, as well as by the interconnects.

The subject-matter of claims 2,3,6,7,10,11,14-22 would also appear not to be novel over D1, or at least not inventive (with respect to claim 17, D2 discloses flux guiding layers, in the form of flux concentrators).

Claims 4 and 5 would not appear to be inventive, filtering and phase comparison being standard techniques: see also D3 Fig. 8.

Claim 8 would appear to relate to a method, rather than an apparatus, as would claim 9.

Claims 12 and 13 would appear to be anticipated by Fig. 4 of D1, as the illustrated "interconnects" could, in principle, be used as magnetic field generators.